

Author index

Volume 93 (2000)

- Andres, A.-C., see Zuercher, G., 175
 Ashby, P., see Isaac, A., 41
 Ataliotis, P., see Isaac, A., 41
 Attie, T., see Rachidi, M., 189
- Beanan, M.J., see Matsuo-Takasaki, M., 201
 Beaufils, P., see Mollereau, B., 151
 Bernier, G., Panitz, F., Zhou, X., Hollemann, T., Gruss, P., Pieler, T.,
 Expanded retina territory by midbrain transformation upon overexpression of *Six6* (*Optx2*) in *Xenopus* embryos, 59
 Berta, P., see Crémazy, F., 215
 Biggs, J.J., see Stark, M.R., 195
 Bouwmeester, T., see Fetka, I., 49
- Castillo, C., see Zhao, J., 71
 Chai, Y., see Zhao, J., 71
 Cohn, M.J., see Isaac, A., 41
 Cooke, J., see Isaac, A., 41
 Crémazy, F., Berta, P., Girard, F., *Sox Neuro*, a new *Drosophila* *Sox* gene expressed in the developing central nervous system, 215
 Crowe, D.L., see Zhao, J., 71
- Delabar, J.-M., see Rachidi, M., 189
 Delezoide, A.-L., see Rachidi, M., 189
 Desplan, C., see Mollereau, B., 151
 Doederlein, G., see Fetka, I., 49
 Dutton, K., see Kelsh, R.N., 161
- Ehler, E., see Götz, J., 83
 Eisen, J.S., see Kelsh, R.N., 161
- Fetka, I., Doederlein, G., Bouwmeester, T., Neuroectodermal specification and regionalization of the Spemann organizer in *Xenopus*, 49
- Gassanova, S., see Rachidi, M., 189
 Girard, F., see Crémazy, F., 215
 Götz, J., Probst, A., Mistl, C., Nitsch, R.M., Ehler, E., Distinct role of protein phosphatase 2A subunit α in the regulation of E-cadherin and β -catenin during development, 83
 Gradl, D., see König, A., 211
 Gruss, P., see Bernier, G., 59
 Guillaume, R., Trudel, M., Distinct and common developmental expression patterns of the murine *Pkd2* and *Pkd1* genes, 179
 Guo, D., see Lindholm, P., 169
- Hollemann, T., see Bernier, G., 59
 Hui Yong Loh, S., Russell, S., A *Drosophila* group E *Sox* gene is dynamically expressed in the embryonic alimentary canal, 185
- Inoue, K., see Suzuki, H., 205
 Isaac, A., Cohn, M.J., Ashby, P., Ataliotis, P., Spicer, D.B., Cooke, J., Tickle, C., FGF and genes encoding transcription factors in early limb specification, 41
 Ito, Y., see Nagano, T., 3
- Kelsh, R.N., Dutton, K., Medlin, J., Eisen, J.S., Expression of zebrafish *fdk6* in neural crest-derived glia, 161
 Killian, D., see Mollereau, B., 151
 Kinoshita, T., see Kuriyama, S., 233
 Kobayakawa, Y., see Nagano, T., 3
 König, A., Gradl, D., Kühl, M., Wedlich, D., The HMG-box transcription factor XTcf-4 demarcates the forebrain-midbrain boundary, 211
 Kühl, M., see König, A., 211
 Kühnlein, R., see Mollereau, B., 151
 Kuittinen, T., see Lindholm, P., 169
 Kuriyama, S., Miyatani, S., Kinoshita, T., Xerl: a novel secretory protein expressed in eye and brain of *Xenopus* embryo, 233
- Lachaume, P., see Paillard, L., 117
 Leader, B., Leder, P., Formin-2, a novel formin homology protein of the *cappuccino* subfamily, is highly expressed in the developing and adult central nervous system, 221
 Leder, P., see Leader, B., 221
 Legagneux, V., see Paillard, L., 117
 Lim, J.H., see Matsuo-Takasaki, M., 201
 Limbourg-Bouchon, B., see Miléitch, I., 15
 Lindholm, P., Kuittinen, T., Sorri, O., Guo, D., Merits, A., Törmäkangas, K., Runeberg-Roos, P., Glycosylation of phytepsin and expression of *dad1*, *dad2* and *ost1* during onset of cell death in germinating barley scutella, 169
 Liu, Y., see Yao, J., 105
 Lo, R., see Yao, J., 105
 Lohrum, M., see Rohm, B., 95
 Lopes, C., see Rachidi, M., 189
- Maegawa, S., see Suzuki, H., 205
 Maniey, D., see Paillard, L., 117
 Matsui, Y., see Toyooka, Y., 139
 Matsuo-Takasaki, M., Lim, J.H., Beanan, M.J., Sato, S.M., Sargent, T.D., Cloning and expression of a novel zinc finger gene, *Fez*, transcribed in the forebrain of *Xenopus* and mouse embryos, 201
 Medlin, J., see Kelsh, R.N., 161
 Merits, A., see Lindholm, P., 169
 Miléitch, I., Limbourg-Bouchon, B., *Drosophila* null *slimb* clones transiently deregulate Hedgehog-independent transcription of *wingless* in all limb discs, and induce *decapentaplegic* transcription linked to imaginal disc regeneration, 15

- Mistl, C., see Götz, J., 83
Miyatani, S., see Kuriyama, S., 233
Mollereau, B., Wernet, M.F., Beaufils, P., Killian, D., Pichaud, F., Kühnlein, R., Desplan, C., A green fluorescent protein enhancer trap screen in *Drosophila* photoreceptor cells, 151
Nagano, T., Ito, Y., Tashiro, K., Kobayakawa, Y., Sakai, M., Dorsal induction from dorsal vegetal cells in *Xenopus* occurs after mid-blastula transition, 3
Nishibu, T., see Suzuki, H., 205
Nitsch, R.M., see Götz, J., 83
Noce, T., see Toyooka, Y., 139
Osborne, H.B., see Paillard, L., 117
Ottmeyer, A., see Rohm, B., 95
Paillard, L., Maniey, D., Lachaux, P., Legagneux, V., Osborne, H.B., Identification of a C-rich element as a novel cytoplasmic polyadenylation element in *Xenopus* embryos, 117
Panitz, F., see Bernier, G., 59
Peterson, A., see Yao, J., 105
Pichaud, F., see Mollereau, B., 151
Pieler, T., see Bernier, G., 59
Probst, A., see Götz, J., 83
Püschel, A.W., see Rohm, B., 95
Rachidi, M., Lopes, C., Gassanova, S., Sinet, P.-M., Vekemans, M., Attie, T., Delezoide, A.-L., Delabar, J.-M., Regional and cellular specificity of the expression of TPRD, the tetratricopeptide Down syndrome gene, during human embryonic development, 189
Rao, M.S., see Stark, M.R., 195
Rohm, B., Ottmeyer, A., Lohrum, M., Püschel, A.W., Plexin/neuropilin complexes mediate repulsion by the axonal guidance signal semaphorin 3A, 95
Rohrbach, V., see Zuercher, G., 175
Runeberg-Roos, P., see Lindholm, P., 169
Russell, S., see Hui Yong Loh, S., 185
Saigo, K., see Sato, M., 127
Saka, Y., Tada, M., Smith, J.C., A screen for targets of the *Xenopus* T-box gene *Xbra*, 27
Sakai, M., see Nagano, T., 3
Sargent, T.D., see Matsuo-Takasaki, M., 201
Sato, M., Saigo, K., Involvement of *pannier* and *u-shaped* in regulation of Decapentaplegic-dependent *wingless* expression in developing *Drosophila* notum, 127
Sato, S.M., see Matsuo-Takasaki, M., 201
Satoh, M., see Toyooka, Y., 139
Schoenwolf, G.C., see Stark, M.R., 195
Sinet, P.-M., see Rachidi, M., 189
Smith, J.C., see Saka, Y., 27
Sorri, O., see Lindholm, P., 169
Spicer, D.B., see Isaac, A., 41
Stark, M.R., Biggs, J.J., Schoenwolf, G.C., Rao, M.S., Characterization of avian *frizzled* genes in cranial placode development, 195
Stifani, S., see Yao, J., 105
Sugiyama, T., see Suzuki, H., 205
Suzuki, H., Maegawa, S., Nishibu, T., Sugiyama, T., Yasuda, K., Inoue, K., Vegetal localization of the maternal mRNA encoding an EDEN-BP/Bruno-like protein in zebrafish, 205
Tada, M., see Saka, Y., 27
Takahashi, Y., see Toyooka, Y., 139
Tashiro, K., see Nagano, T., 3
Tickle, C., see Isaac, A., 41
Törmäkangas, K., see Lindholm, P., 169
Toyooka, Y., Tsunekawa, N., Takahashi, Y., Matsui, Y., Satoh, M., Noce, T., Expression and intracellular localization of mouse *Vasa*-homologue protein during germ cell development, 139
Tretjakoff, I., see Yao, J., 105
Trudel, M., see Guillaume, R., 179
Tsunekawa, N., see Toyooka, Y., 139
Vekemans, M., see Rachidi, M., 189
Warburton, D., see Zhao, J., 71
Wedlich, D., see König, A., 211
Wernet, M.F., see Mollereau, B., 151
Wuenschell, C., see Zhao, J., 71
Wurst, W., see Zarbalis, K., 165
Yao, J., Liu, Y., Lo, R., Tretjakoff, I., Peterson, A., Stifani, S., Disrupted development of the cerebral hemispheres in transgenic mice expressing the mammalian Groucho homologue Transducin-like-Enhancer of split 1 in postmitotic neurons, 105
Yasuda, K., see Suzuki, H., 205
Zarbalis, K., Wurst, W., Expression domains of murine *ephrin-A5* in the pituitary and hypothalamus, 165
Zhao, J., Crowe, D.L., Castillo, C., Wuenschell, C., Chai, Y., Warburton, D., Smad7 is a TGF- β -inducible attenuator of Smad2/3-mediated inhibition of embryonic lung morphogenesis, 71
Zhou, X., see Bernier, G., 59
Ziemiński, A., see Zuercher, G., 175
Zuercher, G., Rohrbach, V., Andres, A.-C., Ziemiński, A., A novel member of the testis specific serine kinase family, *tssk-3*, expressed in the Leydig cells of sexually mature mice, 175

Subject index

Volume 93 (2000)

Antenna; *Drosophila* photoreceptors; R1–6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Antisense oligodeoxynucleotide inhibition; *Smad7*; TGF- β signaling; Lung branching morphogenesis; Competitive RT-PCR **93** 71

Apoptosis; *Drosophila*; *slmb*; *wingless*; *decapentaplegic*; Imaginal disc development; Sorting-out **93** 15

Axon guidance; Mouse embryo; Eph; *ephrin-A5*; Brain development; Hypothalamus; Pituitary **93** 165

Brachyury; *Xbra*; *Pintallavis*; *Xenopus laevis* **93** 27

Brain development; Mouse embryo; Eph; *ephrin-A5*; Hypothalamus; Pituitary; Axon guidance **93** 165

Brain development; TPRD gene; Tetratricopeptide motif; Down syndrome; Human embryogenesis; Nervous system development; Cortex lamination; Cerebellar nuclei; Visual system; In situ hybridization **93** 189

Bristle; *Drosophila* photoreceptors; R1–6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Bruno; Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; Microfilaments; RNA-binding protein; RNA-recognition motif; CUG-BP; EDEN-BP; Yolk cytoplasmic stream **93** 205

4C9; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Cartilage; *Pkd2*; *Pkd1*; Metanephric blastema; Kidney; Mesenchyme **93** 179

β -Catenin; Wnt signaling; E-Cadherin; Protein phosphatase 2A (PP2A) **93** 83

Cattle; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse;

Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Cerebellar nuclei; TPRD gene; Tetratricopeptide motif; Down syndrome; Human embryogenesis; Nervous system development; Brain development; Cortex lamination; Visual system; In situ hybridization **93** 189

Cerebral cortex; Groucho; Forebrain development; Hair/Enhancer of split; Neuronal development; Telencephalon; Transducin-like-Enhancer of split; Transcriptional repression; Transgenic mice **93** 105

Chick embryos; Limb development; *SnR*; *twist*; *fgf10*; *Tbx-5*; *Tbx-4*; FGF-2; FGF-10 **93** 41

Chick embryos; Wnt receptors; Neural development; Placodes; Neural tube **93** 195

Chromatoid body; Primordial germ cell; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

CNS; *Xenopus*; EGF-like repeats; Laminin-G domain; RGD **93** 233

Collapsin; Ganglion; Receptor; Sensory **93** 95

Competitive RT-PCR; *Smad7*; Antisense oligodeoxynucleotide inhibition; TGF- β signaling; Lung branching morphogenesis **93** 71

Convergence extension; XFD-12'; Forkhead; Nodal signalling; Floorplate; Spemann organizer; *Xenopus* **93** 49

Cortex lamination; TPRD gene; Tetratricopeptide motif; Down syndrome; Human embryogenesis; Nervous system development; Brain development; Cerebellar nuclei; Visual system; In situ hybridization **93** 189

α -CP2/hnRNPE2; Maternal mRNA; *Xenopus laevis*; Poly(A) tail; Translational control; mRNA stability; Phosphatase 2A **93** 117

CUG-BP; Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; Microfilaments; RNA-binding protein; RNA-recognition motif; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

***dad1*;** N-linked glycosylation; Programmed cell death; Phytapsin; *dad2*; Ribophorin I; *ost1* **93** 169

***dad2*;** N-linked glycosylation; Programmed cell death; Phytapsin; *dad1*; Ribophorin I; *ost1* **93** 169

Danio rerio; Zebrafish; Neural crest; Schwann cell; Satellite glia; Winged helix protein; Transcription factor; *forkhead* **93** 161

decapentaplegic; *Drosophila*; *slmb*; *wingless*; Imaginal disc development; Apoptosis; Sorting-out **93** 15

decapentaplegic; *wingless*; *pannier*; *u-shaped*; *Drosophila* notum; Pattern formation **93** 127

Dorsal induction; Spemann organizer; Nieuwkoop center; Mid-blastula transition **93** 3

Dorso-ventral patterning; HMG box; Transcription factors; Neuroectoderm; **93** 215

Down syndrome; TPRD gene; Tetratricopeptide motif; Human embryogenesis; Nervous system development; Brain development; Cortex lamina; Cerebellar nuclei; Visual system; In situ hybridization **93** 189

Drosophila notum; *decapentaplegic*; *wingless*; *pannier*; *u-shaped*; Pattern formation **93** 127

Drosophila photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Drosophila; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Drosophila; *slmb*; *wingless*; *decapentaplegic*; Imaginal disc development; Apoptosis; Sorting-out **93** 15

Drosophila; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

E-Cadherin; Wnt signaling; β -Catenin; Protein phosphatase 2A (PP2A) **93** 83

Ectoderm; *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

EDEN-BP; Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; Microfilaments; RNA-binding protein; RNA-recognition motif; CUG-BP; Bruno; Yolk cytoplasmic stream **93** 205

EG cell; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

EGF-like repeats; *Xenopus*; CNS; Laminin-G domain; RGD **93** 233

Embryogenesis; *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; HMG-domain; Sox-domain **93** 185

Enhanced green fluorescent protein; *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Enhancer trap; *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Eph; Mouse embryo; *ephrin-A5*; Brain development; Hypothalamus; Pituitary; Axon guidance **93** 165

ephrin-A5; Mouse embryo; Eph; Brain development; Hypothalamus; Pituitary; Axon guidance **93** 165

ES cell; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Eye development; *Six6*; *Optx2*; *Six3*; Homeobox; Retina; Midbrain; *Xenopus* **93** 59

FGF-10; Limb development; *SnR*; *twist*; *fgf10*; *Tbx-5*; *Tbx-4*; Chick embryos; FGF-2 **93** 41

fgf10; Limb development; *SnR*; *twist*; *Tbx-5*; *Tbx-4*; Chick embryos; FGF-2; FGF-10 **93** 41

FGF-2; Limb development; *SnR*; *twist*; *fgf10*; *Tbx-5*; *Tbx-4*; Chick embryos; FGF-10 **93** 41

Floorplate; XFD-12'; Forkhead; Nodal signalling; Convergence extension; Spemann organizer; *Xenopus* **93** 49

Flying fox; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Follicle; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Forebrain development; Cerebral cortex; Groucho; Hairy/Enhancer of split; Neuronal development; Telencephalon; Transducin-like-Enhancer of split; Transcriptional repression; Transgenic mice **93** 105

Forebrain; Neural induction; Neurogenesis; Zinc-finger genes; *Xenopus laevis*; Mouse embryos; Neural genes **93** 201

Forebrain-midbrain boundary; Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Midbrain; Preteetum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

forkhead: *Danio rerio*; Zebrafish; Neural crest; Schwann cell; Satellite glia; Winged helix protein; Transcription factor **93** 161

Forkhead: XFD-12'; Nodal signalling; Floorplate; Convergence extension; Spemann organizer; *Xenopus* **93** 49

Formin homology protein: Limb deformity phenotype; formin-1; formin-2 **93** 221

formin-1: Formin homology protein; Limb deformity phenotype; formin-2 **93** 221

formin-2: Formin homology protein; Limb deformity phenotype; formin-1 **93** 221

furrowed: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; rhodopsin; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

GAL4: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; rhodopsin; Enhanced green fluorescent protein; Enhancer trap; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Ganglion: Collapsin; Receptor; Sensory **93** 95

Genital ridge: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Germ plasm: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Gonad: *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

Gonad: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Matri-gel **93** 139

Gonadal somatic cell: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Groucho: Cerebral cortex; Forebrain development; Hair/Enhancer of split; Neuronal development; Telencephalon; Transducin-like-Enhancer of split; Transcriptional repression; Transgenic mice **93** 105

Hair/Enhancer of split: Cerebral cortex; Groucho; Forebrain development; Neuronal development; Telencephalon; Transducin-like-Enhancer of split; Transcriptional repression; Transgenic mice **93** 105

Hindgut: *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

HMG box: Transcription factors; Neuroectoderm; Dorso-ventral patterning **93** 215

HMG-box: Tcf; Lef; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Pretectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

HMG-domain: *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; Sox-domain **93** 185

Homeobox: *Six6*; *Optx2*; *Six3*; Retina; Eye development; Midbrain; *Xenopus* **93** 59

Horse: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Human embryogenesis: TPRD gene; Tetratricopeptide motif; Down syndrome; Nervous system development; Brain development; Cortex lamination; Cerebellar nuclei; Visual system; In situ hybridization **93** 189

Human: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Hypothalamus: Mouse embryo; Eph; *ephrin-A5*; Brain development; Pituitary; Axon guidance **93** 165

Imaginal disc development: *Drosophila*; *slmb*; *wingless*; *decapentaplegic*; Apoptosis; Sorting-out **93** 15

Immunocytochemistry: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Immuno-electron microscopy: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Immunohistochemistry: Spermatogenesis; Spermiogenesis; Male germ cells; Testosterone; Serine/threonine kinase; Protein:protein interactions; Puberty **93** 175

In situ hybridization: TPRD gene; Tetratrico peptide motif; Down syndrome; Human embryogenesis; Nervous system development; Brain development; Cortex lamination; Cerebellar nuclei; Visual system **93** 189

Kidney: Pkd2; Pkd1; Metanephric blastema; Mesenchyme; Cartilage **93** 179

labellum: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *scutellum*; *maxillary palpus* **93** 151

Lamina: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Laminin-G domain: *Xenopus*; CNS; EGF-like repeats; RGD **93** 233

Lef: Tcf; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Leg: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Limb deformity phenotype: Formin homology protein; formin-1; formin-2 **93** 221

Limb development: *SnR*; *twist*; *fgf10*; *Tbx-5*; *Tbx-4*; Chick embryos; FGF-2; FGF-10 **93** 41

Lung branching morphogenesis: Smad7; Antisense oligodeoxynucleotide inhibition; TGF- β signaling; Competitive RT-PCR **93** 71

Male germ cells: Spermatogenesis; Spermiogenesis; Testosterone; Serine/threonine kinase; Protein:protein interactions; Puberty; Immunohistochemistry **93** 175

Malpighian tubules: *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Embryogenesis; HMG-domain; Sox-domain **93** 185

Mammal: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Maternal mRNA: *Xenopus laevis*; Poly(A) tail; Translational control; mRNA stability; Phosphatase 2A; α -CP2/hnRNPE2 **93** 117

Maternal mRNA: Zebrafish; Vegetal localization; Oogenesis; Microfilaments; RNA-binding protein; RNA-recognition motif; CUG-BP; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

Matri-gel: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad **93** 139

maxillary palpus: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum* **93** 151

Medulla: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Mesenchyme: Pkd2; Pkd1; Metanephric blastema; Kidney; Cartilage **93** 179

Mesoderm: *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

Metanephric blastema: Pkd2; Pkd1; Kidney; Mesenchyme; Cartilage **93** 179

Microfilaments: Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; RNA-binding protein; RNA-recognition motif; CUG-BP; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

Mid-blastula transition: Spemann organizer; Nieuwkoop center; Dorsal induction **93** 3

Midbrain: *Six6*; *Optx2*; *Six3*; Homeobox; Retina; Eye development; *Xenopus* **93** 59

Midbrain: Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Midgut: *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

Monkey: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Mouse embryo: Eph; *ephrin-A5*; Brain development; Hypothalamus; Pituitary; Axon guidance **93** 165

Mouse embryos: Forebrain; Neural induction; Neurogenesis; Zinc-finger genes; *Xenopus laevis*; Neural genes **93** 201

Mouse: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

mRNA stability: Maternal mRNA; *Xenopus laevis*; Poly(A) tail; Translational control; Phosphatase 2A; α -CP2/hnRNPE2 **93** 117

m-spondin: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Nervous system development: TPRD gene; Tetratricopeptide motif; Down syndrome; Human embryogenesis; Brain development; Cortex lamination; Cerebellar nuclei; Visual system; In situ hybridization **93** 189

Neural crest: *Danio rerio*; Zebrafish; Schwann cell; Satellite glia; Winged helix protein; Transcription factor; *forkhead* **93** 161

Neural development: Wnt receptors; Chick embryos; Placodes; Neural tube **93** 195

Neural genes: Forebrain; Neural induction; Neurogenesis; Zinc-finger genes; *Xenopus laevis*; Mouse embryos **93** 201

Neural induction: Forebrain; Neurogenesis; Zinc-finger genes; *Xenopus laevis*; Mouse embryos; Neural genes **93** 201

Neural tube: Wnt receptors; Chick embryos; Neural development; Placodes **93** 195

Neuroectoderm: HMG box; Transcription factors; Dorso-ventral patterning **93** 215

Neurogenesis: Forebrain; Neural induction; Zinc-finger genes; *Xenopus laevis*; Mouse embryos; Neural genes **93** 201

Neuronal development: Cerebral cortex; Groucho; Forebrain development; Hairy/Enhancer of split; Telencephalon; Transducin-like-Enhancer of split; Transcriptional repression; Transgenic mice **93** 105

Nieuwkoop center: Spemann organizer; Mid-blastula transition; Dorsal induction **93** 3

N-linked glycosylation: Programmed cell death; Phytapsin; *dad1*; *dad2*; Ribophorin I; *ost1* **93** 169

Nodal signalling: XFD-12'; Forkhead; Floorplate; Convergence extension; Spemann organizer; *Xenopus* **93** 49

Ocelli: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Oocyte: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Oogenesis: Primordial germ cell; Chromatoid body; Spermatogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Oogenesis: Zebrafish; Maternal mRNA; Vegetal localization; Microfilaments; RNA-binding protein; RNA-recognition motif; CUG-BP; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

Optic lobe: *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Optx2; Six6; Six3; Homeobox; Retina; Eye development; Midbrain; *Xenopus* **93** 59

ost1; N-linked glycosylation; Programmed cell death; Phytapsin; *dad1*; *dad2*; Ribophorin I **93** 169

Ovary: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

pannier; decapentaplegic; wingless; u-shaped; *Drosophila notum*; Pattern formation **93** 127

Pattern formation; decapentaplegic; wingless; pannier; u-shaped; *Drosophila notum* **93** 127

Phosphatase 2A; Maternal mRNA; *Xenopus laevis*; Poly(A) tail; Translational control; mRNA stability; α -CP2/hnRNPE2 **93** 117

Phytapsin; N-linked glycosylation; Programmed cell death; *dad1*; *dad2*; Ribophorin I; *ost1* **93** 169

Pig: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Pintallavis; Brachyury; *Xbra*; *Xenopus laevis* **93** 27

Pituitary; Mouse embryo; Eph; *ephrin-A5*; Brain development; Hypothalamus; Axon guidance **93** 165

Pkd1; Pkd2; Metanephric blastema; Kidney; Mesenchyme; Cartilage **93** 179

Pkd2; Pkd1; Metanephric blastema; Kidney; Mesenchyme; Cartilage **93** 179

Placodes; Wnt receptors; Chick embryos; Neural development, Neural tube **93** 195

Polar granule: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Poly(A) tail; Maternal mRNA; *Xenopus laevis*; Translational control; mRNA stability; Phosphatase 2A; α -CP2/hnRNPE2 **93** 117

Pretectum; Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Primordial germ cell: Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar

granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Programmed cell death; N-linked glycosylation; Phytapsin; *dad1*; *dad2*; Ribophorin I; *ost1* **93** 169

Protein phosphatase 2A (PP2A); Wnt signaling; β -Catenin; E-Cadherin **93** 83

Protein:protein interactions; Spermatogenesis; Spermiogenesis; Male germ cells; Testosterone; Serine/threonine kinase; Puberty; Immunohistochemistry **93** 175

Puberty; Spermatogenesis; Spermiogenesis; Male germ cells; Testosterone; Serine/threonine kinase; Protein:protein interactions; Immunohistochemistry **93** 175

R1-6 cells; *Drosophila* photoreceptors; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

R7 cells; *Drosophila* photoreceptors; R1-6 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

R8 cells; *Drosophila* photoreceptors; R1-6 cells; R7 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Receptor; Collapsin; Ganglion; Sensory **93** 95

Retina; *Six6*; *Optx2*; *Six3*; Homeobox; Eye development; Midbrain; *Xenopus* **93** 59

RGD; *Xenopus*; CNS; EGF-like repeats; Laminin-G domain **93** 233

rhodopsin; *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Ribophorin I; N-linked glycosylation; Programmed cell death; Phytapsin; *dad1*; *dad2*; *ost1* **93** 169

RNA helicase; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

RNA-binding protein; Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; Microfilaments; RNA-recognition motif; CUG-BP; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

RNA-recognition motif; Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; Microfilaments; RNA-binding protein; CUG-BP; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

Satellite glia; *Danio rerio*; Zebrafish; Neural crest; Schwann cell; Winged helix protein; Transcription factor; *forkhead* **93** 161

Schwann cell; *Danio rerio*; Zebrafish; Neural crest; Satellite glia; Winged helix protein; Transcription factor; *forkhead* **93** 161

scutellum; *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *maxillary palpus* **93** 151

Sensory; Collapsin; Ganglion; Receptor **93** 95

Serine/threonine kinase; Spermatogenesis; Spermiogenesis; Male germ cells; Testosterone; Protein:protein interactions; Puberty; Immunohistochemistry **93** 175

Six3; *Six6*; *Optx2*; Homeobox; Retina; Eye development; Midbrain; *Xenopus* **93** 59

Six6; *Optx2*; *Six3*; Homeobox; Retina; Eye development; Midbrain; *Xenopus* **93** 59

slmb; *Drosophila*; *wingless*; *decapentaplegic*; Imaginal disc development; Apoptosis; Sorting-out **93** 15

Smad7; Antisense oligodeoxynucleotide inhibition; TGF- β signaling; Lung branching morphogenesis; Competitive RT-PCR **93** 71

SnR; Limb development; *twist*; *fgf10*; *Tbx-5*; *Tbx-4*; Chick embryos; FGF-2; FGF-10 **93** 41

Sorting-out; *Drosophila*; *slmb*; *wingless*; *decapentaplegic*; Imaginal disc development; Apoptosis **93** 15

Sox10; *Drosophila*; *Sox100B*; *Sox9*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

Sox100B; *Drosophila*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

Sox9; *Drosophila*; *Sox100B*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain; Sox-domain **93** 185

Sox-domain; *Drosophila*; *Sox100B*; *Sox9*; *Sox10*; Hindgut; Midgut; Ectoderm; Gonad; Mesoderm; Malpighian tubules; Embryogenesis; HMG-domain **93** 185

spalt; *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *m-spondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Wing; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Spemann organizer; Nieuwkoop center; Mid-blastula transition; Dorsal induction **93** 3

Spemann organizer; XFD-12'; Forkhead; Nodal signalling; Floorplate; Convergence extension; *Xenopus* **93** 49

Spermatid; Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Spermatocyte: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Drosophila; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Spermatogenesis: Primordial germ cell; Chromatoid body; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Drosophila; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Spermatogenesis: Spermiogenesis; Male germ cells; Testosterone; Serine/threonine kinase; Protein:protein interactions; Puberty; Immunohistochemistry **93** 175

Spermiogenesis: Spermatogenesis; Male germ cells; Testosterone; Serine/threonine kinase; Protein:protein interactions; Puberty; Immunohistochemistry **93** 175

SSEA-1: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Drosophila; Follicle; Supporting cell; 4C9; Gonad; Matri-gel **93** 139

Supporting cell: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Drosophila; Follicle; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Tbx-4: Limb development; *SnR*; *twist*; *fgf10*; *Tbx-5*; Chick embryos; FGF-2; FGF-10 **93** 41

Tbx-5: Limb development; *SnR*; *twist*; *fgf10*; *Tbx-4*; Chick embryos; FGF-2; FGF-10 **93** 41

Tcf: Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Telencephalon: Cerebral cortex; Groucho; Forebrain development; Hairy/Enhancer of split; Neuronal development; Transducin-like-Enhancer of split; Transcriptional repression; Transgenic mice **93** 105

Testis: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Drosophila; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Testosterone: Spermatogenesis; Spermiogenesis; Male germ cells; Serine/threonine kinase; Protein:protein interactions; Puberty; Immunohistochemistry **93** 175

Tetratricopeptide motif: TPRD gene; Down syndrome; Human embryogenesis; Nervous system development; Brain development; Cortex lamination; Cerebellar nuclei; Visual system; In situ hybridization **93** 189

TGF- β signaling: Smad7; Antisense oligodeoxynucleotide inhibition; Lung branching morphogenesis; Competitive RT-PCR **93** 71

Thalamus: Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Totipotency: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Drosophila; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

TPRD gene: Tetratricopeptide motif; Down syndrome; Human embryogenesis; Nervous system development; Brain development; Cortex lamination; Cerebellar nuclei; Visual system; In situ hybridization **93** 189

Transcription factor: *Danio rerio*; Zebrafish; Neural crest; Schwann cell; Satellite glia; Winged helix protein; *forkhead* **93** 161

Transcription factor: Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Transcription factors: HMG box; Neuroectoderm; Dorso-ventral patterning **93** 215

Transcriptional repression: Cerebral cortex; Groucho; Forebrain development; Hairy/Enhancer of split; Neuronal development; Telencephalon; Transducin-like-Enhancer of split; Transgenic mice **93** 105

Transducin-like-Enhancer of split: Cerebral cortex; Groucho; Forebrain development; Hairy/Enhancer of split; Neuronal development; Telencephalon; Transcriptional repression; Transgenic mice **93** 105

Transgenic mice: Cerebral cortex; Groucho; Forebrain development; Hairy/Enhancer of split; Neuronal development; Telencephalon; Transducin-like-Enhancer of split; Transcriptional repression **93** 105

Translational control: Maternal mRNA; *Xenopus laevis*; Poly(A) tail; mRNA stability; Phosphatase 2A; α -CP2/hnRNPE2 **93** 117

Translational regulation: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Vasa; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle; Monkey; Flying fox; Drosophila; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

twist: Limb development; *SnR*; *fgf10*; *Tbx-5*; *Tbx-4*; Chick embryos; FGF-2; FGF-10 **93** 41

u-shaped: *decapentaplegic*; *wingless*; *pannier*; *Drosophila notum*; Pattern formation **93** 127

Vasa: Primordial germ cell; Chromatoid body; Spermatogenesis; Oogenesis; Genital ridge; Mouse; EG cell; Spermatocyte; Spermatid; Immunocytochemistry; Immuno-electron microscopy; Translational regulation; Gonadal somatic cell; ES cell; Totipotency; Testis; Ovary; Oocyte; Polar granule; Germ plasm; RNA helicase; Human; Mammal; Pig; Horse; Cattle;

Monkey; Flying fox; *Drosophila*; Follicle; Supporting cell; SSEA-1; 4C9; Gonad; Matri-gel **93** 139

Vegetal localization; Zebrafish; Maternal mRNA; Oogenesis; Microfilaments; RNA-binding protein; RNA-recognition motif; CUG-BP; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

Visual system; TPRD gene; Tetra-trico-peptide motif; Down syndrome; Human embryogenesis; Nervous system development; Brain development; Cortex lamination; Cerebellar nuclei; In situ hybridization **93** 189

Wing; *Drosophila* photoreceptors; R1-6 cells; R7 cells; R8 cells; *rhodopsin*; Enhanced green fluorescent protein; Enhancer trap; *GAL4*; *spalt*; *mspondin*; *furrowed*; Medulla; Lamina; Optic lobe; Antenna; Ocelli; Leg; Bristle; *labellum*; *scutellum*; *maxillary palpus* **93** 151

Winged helix protein; *Danio rerio*; Zebrafish; Neural crest; Schwann cell; Satellite glia; Transcription factor; *forkhead* **93** 161

wingless; *decapentaplegic*; *pannier*; *u-shaped*; *Drosophila* notum; Pattern formation **93** 127

wingless; *Drosophila*; *slmb*; *decapentaplegic*; Imaginal disc development; Apoptosis; Sorting-out **93** 15

Wnt receptors; Chick embryos; Neural development; Placodes; Neural tube **93** 195

Wnt signaling; β -Catenin; E-Cadherin; Protein phosphatase 2A (PP2A) **93** 83

Wnt-1/Wg; Tcf; Lef; HMG-box; *Xenopus*; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Xaxin; Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Xbra; *Brachyury*; *Pintallavis*; *Xenopus laevis* **93** 27

Xenopus laevis; *Brachyury*; *Xbra*; *Pintallavis* **93** 27

Xenopus laevis; Forebrain; Neural induction; Neurogenesis; Zinc-finger genes; Mouse embryos; Neural genes **93** 201

Xenopus laevis; Maternal mRNA; Poly(A) tail; Translational control; mRNA stability; Phosphatase 2A; α -CP2/hnRNPE2 **93** 117

Xenopus; CNS; EGF-like repeats; Laminin-G domain; RGD **93** 233

Xenopus; *Six6*; *Optx2*; *Six3*; Homeobox; Retina; Eye development; Midbrain **93** 59

Xenopus; Tcf; Lef; HMG-box; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Xenopus; XFD-12' Forkhead; Nodal signalling; Floorplate; Convergence extension; Spemann organizer; **93** 49

XFD-12'; Forkhead; Nodal signalling; Floorplate; Convergence extension; Spemann organizer; *Xenopus* **93** 49

Xwnt-1; Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-2; Xwnt-3a; Xwnt-4 **93** 211

Xwnt-2; Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-3a; Xwnt-4 **93** 211

Xwnt-3a; Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-4 **93** 211

Xwnt-4; Tcf; Lef; HMG-box; *Xenopus*; Wnt-1/Wg; Forebrain-midbrain boundary; Midbrain; Prepectum; Thalamus; Transcription factor; Xaxin; Xwnt-1; Xwnt-2; Xwnt-3a **93** 211

Yolk cytoplasmic stream; Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; Microfilaments; RNA-binding protein; RNA-recognition motif; CUG-BP; EDEN-BP; Bruno **93** 205

Zebrafish; *Danio rerio*; Neural crest; Schwann cell; Satellite glia; Winged helix protein; Transcription factor; *forkhead* **93** 161

Zebrafish; Maternal mRNA; Vegetal localization; Oogenesis; Microfilaments; RNA-binding protein; RNA-recognition motif; CUG-BP; EDEN-BP; Bruno; Yolk cytoplasmic stream **93** 205

Zinc-finger genes; Forebrain; Neural induction; Neurogenesis; *Xenopus laevis*; Mouse embryos; Neural genes **93** 201

